

# **Advanced Planning Briefing to Industry** **April 8, 2003**

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# GENESIS of the Program Executive Office for Chemical and Biological Defense (PEO)

**Joint Program Office  
for Biological Defense**

**1995 - 2001**

**Program Executive Office  
for Chemical and Biological Defense**

**2001 – Dec 2002**

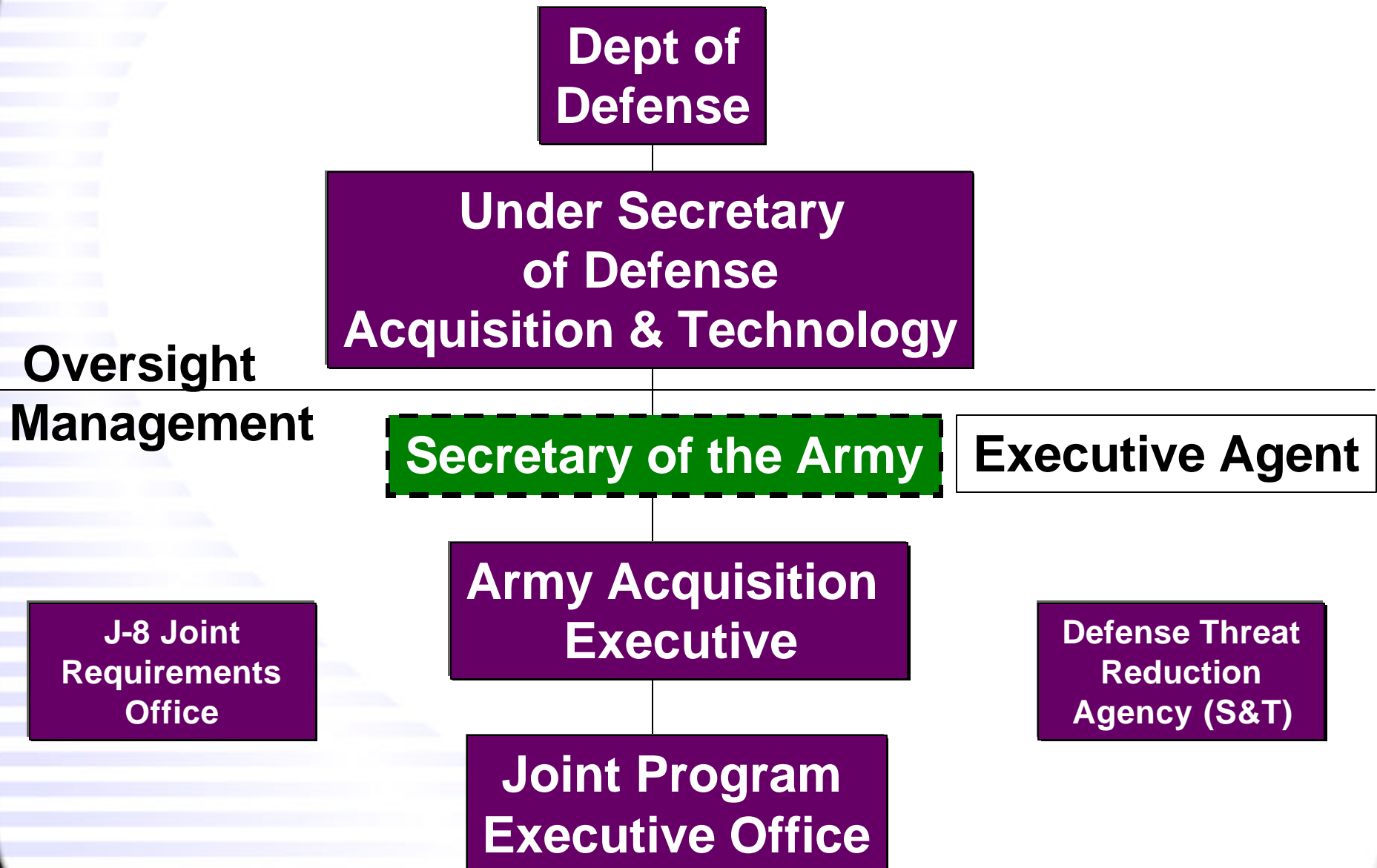
**Joint Program Executive Office  
for Chemical and Biological Defense**

**FY03**

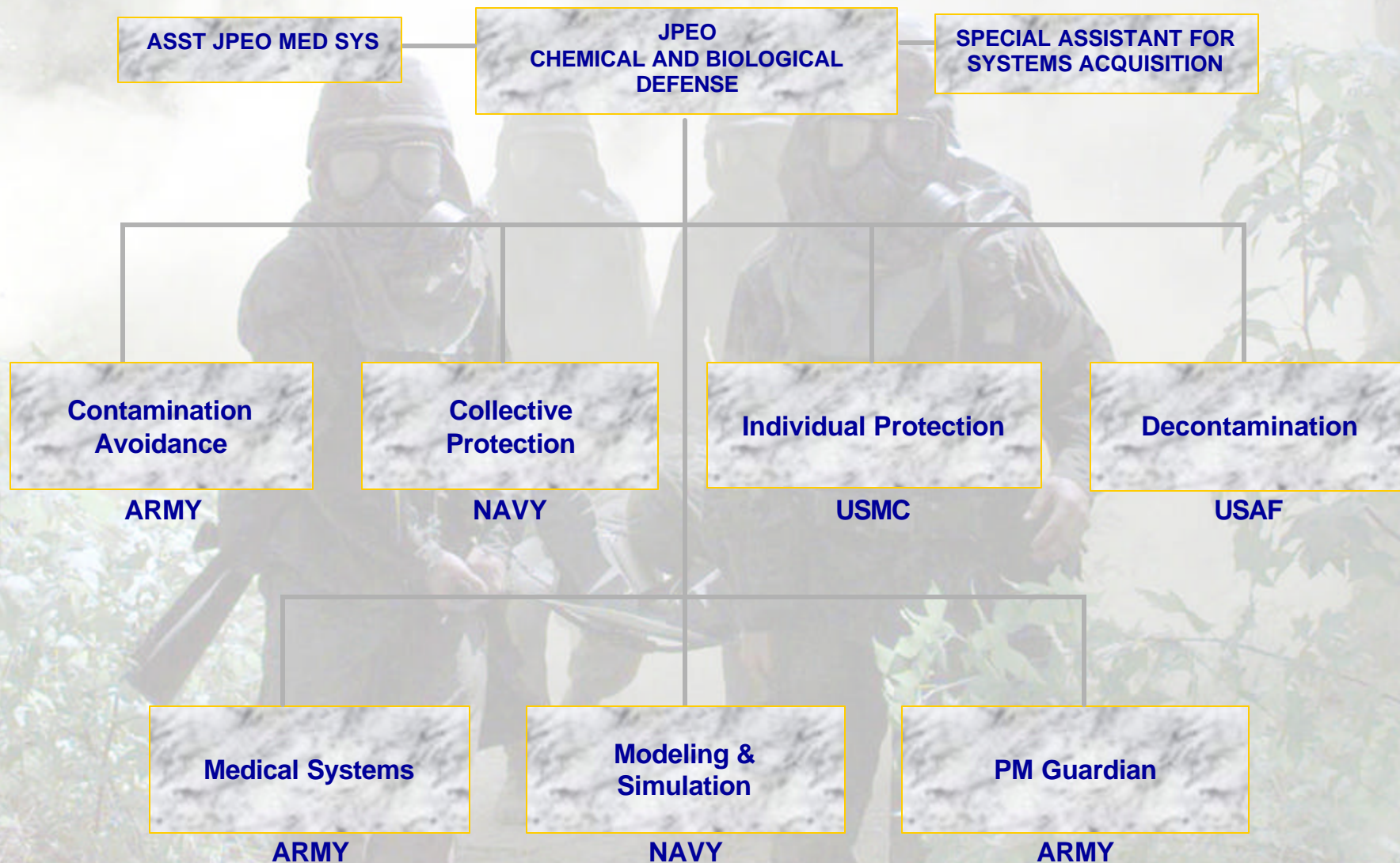
**Single Face To Warfighter**



# Joint Chemical Biological Defense Program Management Structure (PL 103-160)



# Joint Program Executive Office for Chemical and Biological Defense





## **PEO Areas of Responsibility**

**Vaccines**

**Treatments**

**Diagnostics**

**Contamination Avoidance**

**Individual Protection**

**Collective Protection**

**Decontamination**

**Weapons of Mass Destruction – Civil Support**

**Installation/ Force Protection**

**Total  
Life – Cycle  
Management**

## Theory to Practice



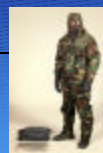


# Then and Now: CBNR Materiel Development Since Desert Storm

## Desert Storm



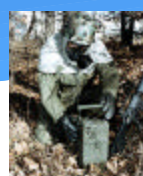
M17



BDO



CAM



M8A1



M12 PDDA



Isuzu Truck



German NBCRS



M17/M17A1

1994



M41 PATS



M40



Fox Block 1

1995

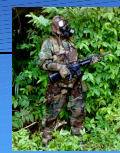


BIDS NDI



M45

1996



JSLIST



M21



M42A2

1998



ACADA



AN/UDR - 13



IBAD

1999



BIDS P3I



ICAM

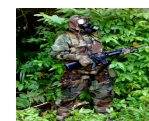


Portal Shield

2000 and Beyond



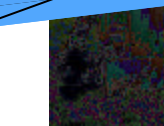
JSGPM



JSLIST



JWARN



JBPDS



Fox Block 2



CP DEPMEDS

## BOTTOM LINE

19 New Systems (FY93-2002)

5 New Biological Detection Systems

3 New Chemical Detection Systems

3 New Individual Protection Systems

2 New Collective Protection Systems

2 New Decontamination Systems

3 New Radiological Detection Systems

1 New Information Management System

ACADA - Automated Chemical Agent Detector Alarm

BDO - Battledress Overgarment

BIDS - Biological Integrated Detection System

CAM - Chemical Agent Monitor

CP DEPMEDS - Collective Protection

ICAM - Improved Chemical Agent Monitor

IBAD - Interim Biological Agent Detector

JWARN - Joint Warning and Reporting Network

JBPDS - Joint Biological Point Detection System

JSLIST - Joint Service Integrated Technology

LVOSS - Light Vehicular Obscurant Smoke System,

NBCRS - NBC Reconnaissance System

PATS - Protective Assessment Test System

PDDA - Power Driven Decontamination Apparatus

## “New” Realities...What’s not so “New”



- PDD 39 - U.S. Policy on Counterterrorism
- PDD 62 - National Counterterrorism Coordinator
- PDD 63 - Protecting Critical Infrastructure



- P.L. 103-160 - FY94 Defense Appropriations
- P.L. 104-201 - Defense Against WMD
- P.L. 104-293 - Intelligence Renewal and Reform
- Homeland Security Act of 2002



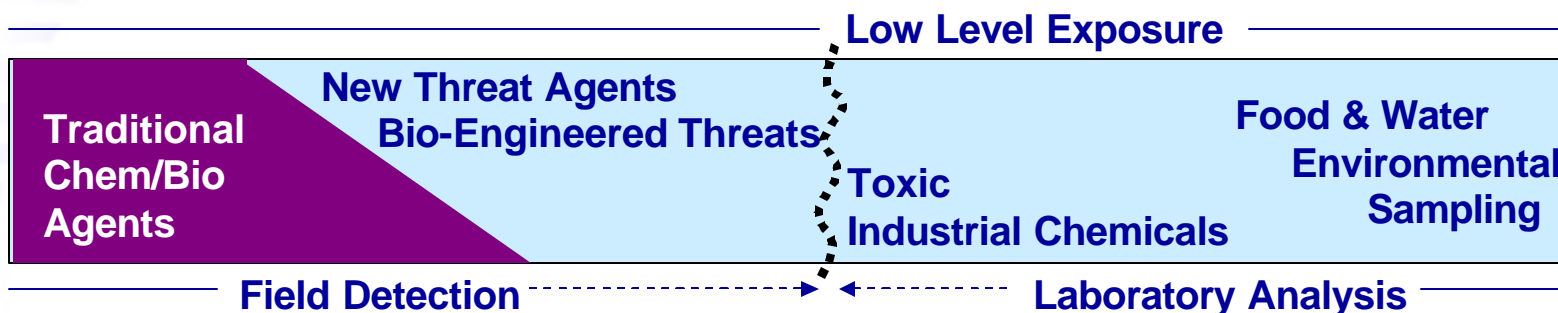
- Joint Vision 2010
- Quadrennial Defense Review
- Defense Science Board Summer Study
- CB 2010 Report



## The “Real” New Realities

- **Expanding Roles & Missions**
  - **Leveraging Industrial Base Investments**
  - **Evolving DoD Acquisition Practices**

## Expanding Roles & Missions



- Blurring of Mission Area Responsibilities Between Tactical Chem/ Bio Detection, Laboratory Analysis, and Operational/ Strategic Medical Surveillance
- Significant Sensitivities to Environmental Hazards
- Exceptional Technical Challenges
- Battlefield/ Installation Force Protection Missions Merging

**Significant Technical & Operational Support to Other USG Agencies**



## Chem/ Bio Warfare & Chem/ Bio Terrorism ARE DIFFERENT

### Chem/ Bio Warfare

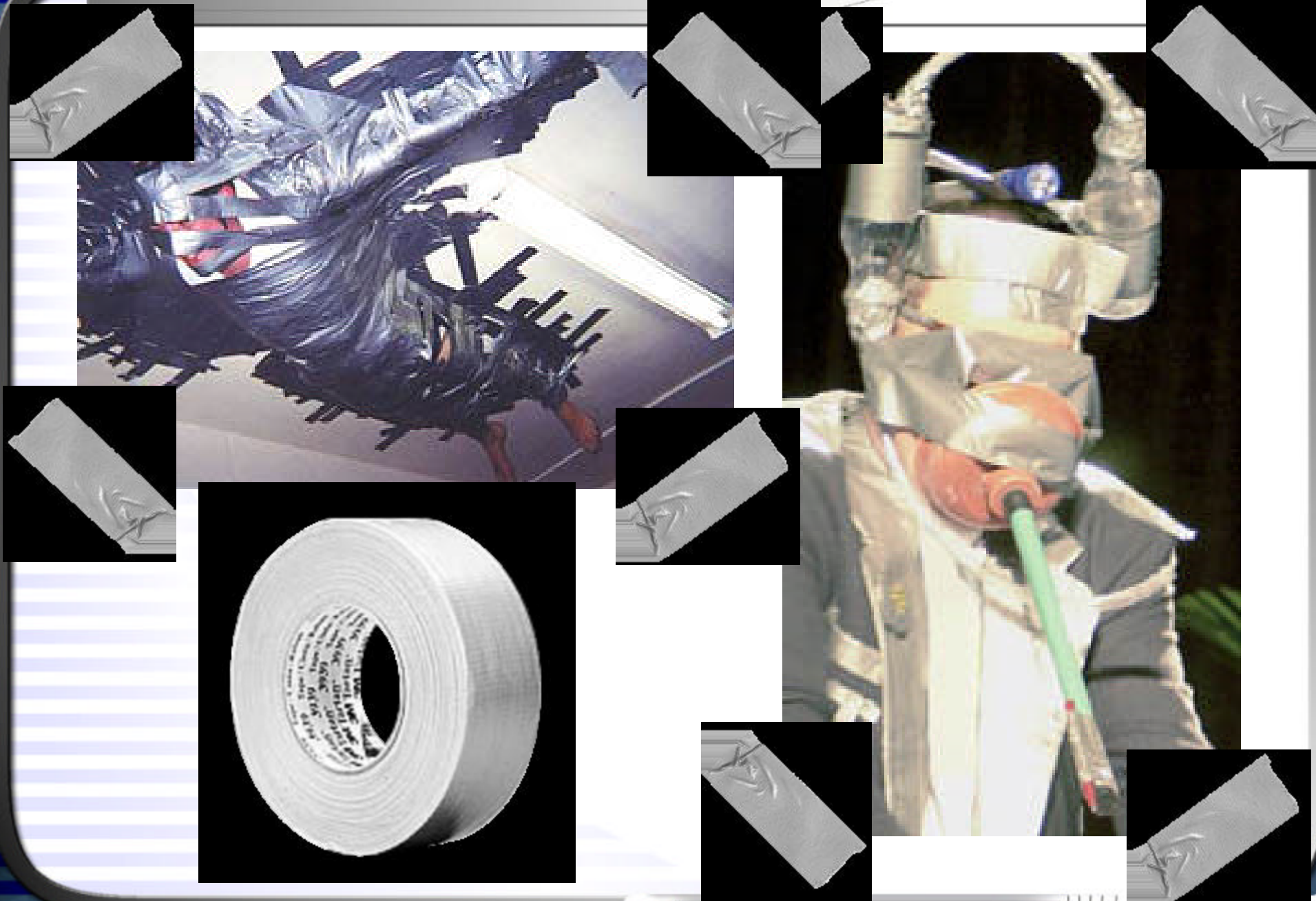
- Objectives: Incapacitate/ Degrade Military Forces
- Military Population
  - Healthy
  - Vaccinated
  - Trained
  - Detection Available
- Mobile Infrastructure
  - Prepared to Respond
- Clear Chain of Command

### Chem/ Bio Terrorism

- Objectives: Specialized
  - Mass Casualties/ Incapacitated
  - Crops
  - “Hit & Run” or “Making a Statement”
- Civilian Population
  - Unexpected
  - Unvaccinated/Unwarned
  - Varying Health/ Age
- Fixed Infrastructure
- Multiple Lines of Authority/ Responsibility

**There Are Common Defense Solutions**

# Expanding Missions... Installation & Force Protection





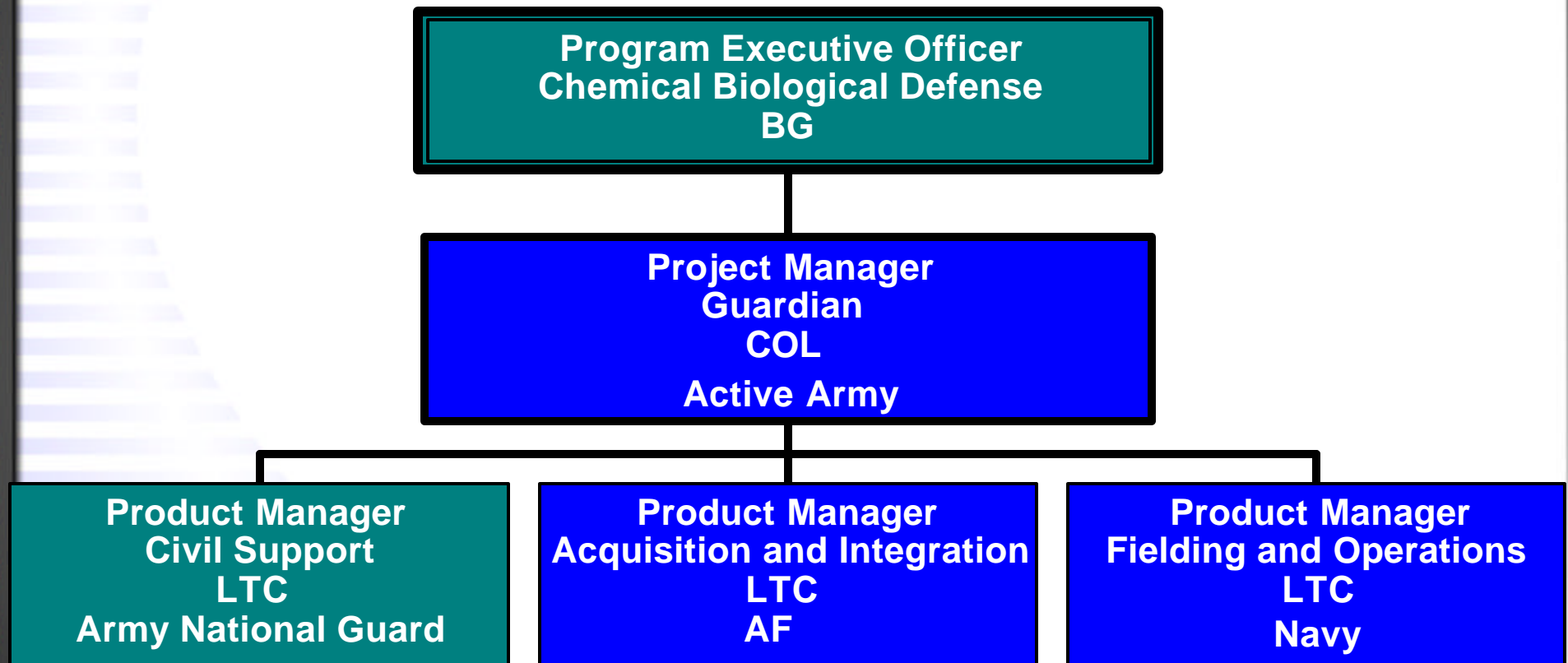
## PM Guardian

- **Mission: CB Installation & Force Protection at 200 Installations, Worldwide, Over Next 5 Years**
- **Challenges:**
  - **Integrate With Existing Force Protection Measures**
  - **Maximum Protection, Minimum Risk, Minimum Sustainment Costs**



**8 April – 7:30 PM - Workshop**

# Installation Force Protection Proposed Leadership Structure

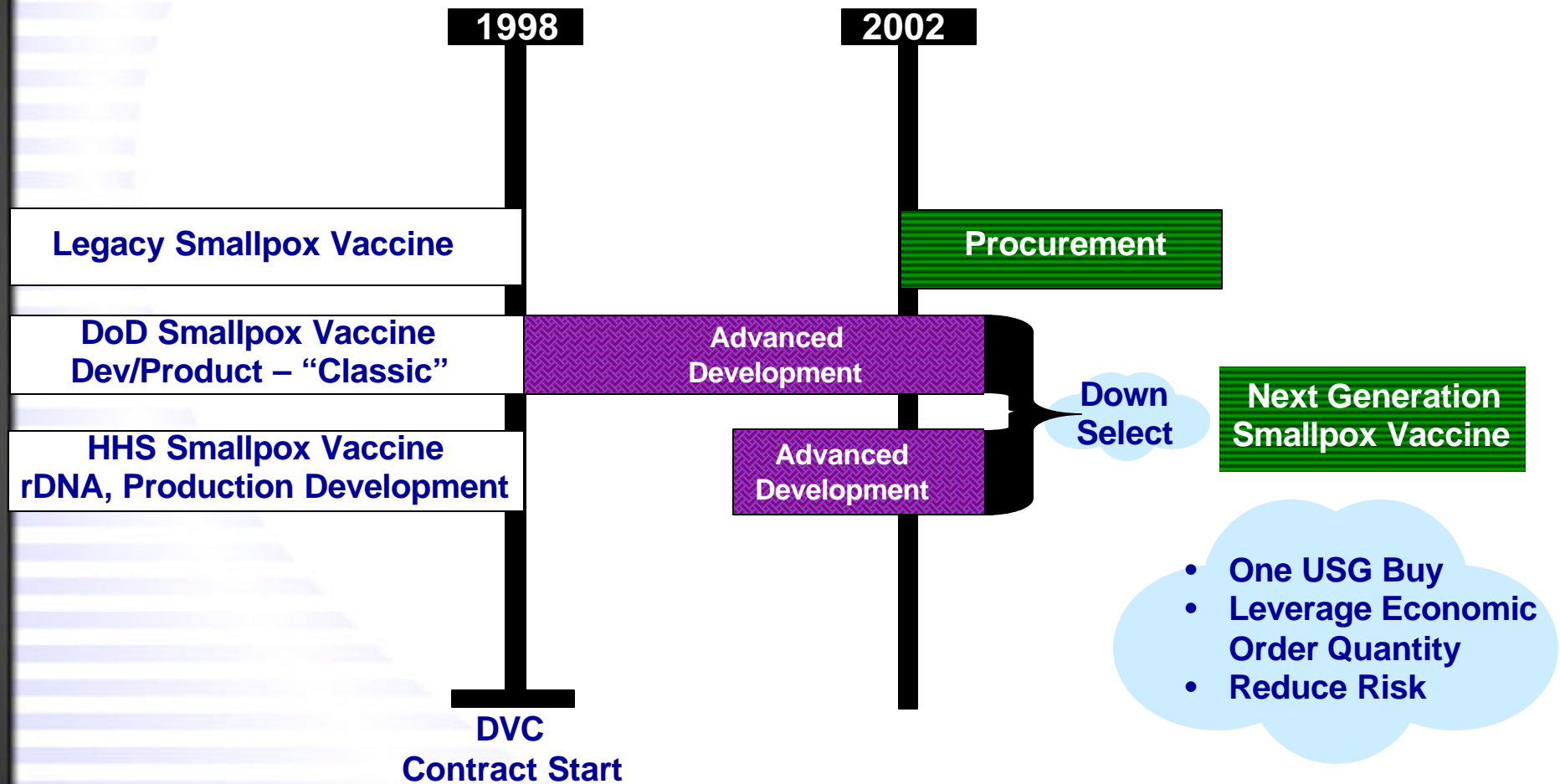




## Expanding Roles & Missions

- **Assisted Secretary of Defense – Homeland Defense**
  - DoD Interface with Dept of Homeland Security
- **Technology/ Systems Development Sharing Among DoD & Other USG Agencies**
- **Leverage Total USG Investments**

# Leverage Total USG Investments



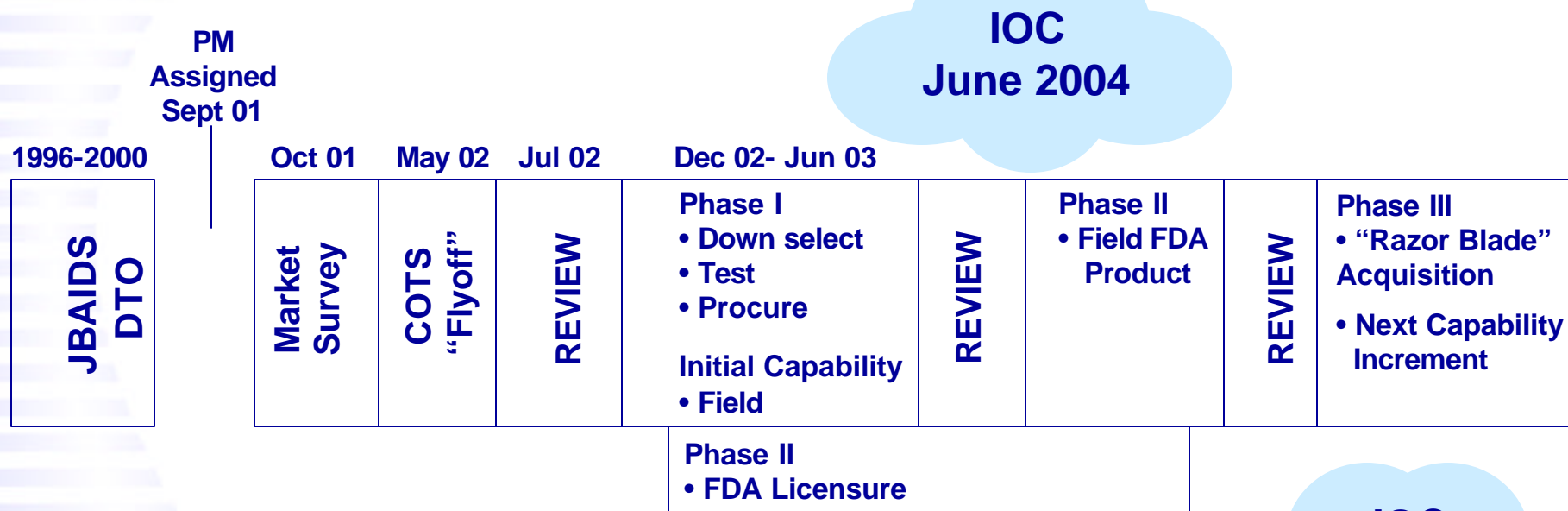
**Leverage Best Technical Results – Best Value**



## Leveraging Industry Investments

- **Expanding Marketplace**
  - Both USG & Civil
- **“Look at COTS First – Then Look Again”**
- **Become Technology Carnivores**
- **5–year Technology Horizon**
- **“Fly Before Buy”**
  - ASD (NCB) Memo 7 Feb 2003
  - Subject: Procurement of Chem/ Bio Defense Equipment

# Bio Defense Medical Devices - Joint Biological Agent Identification & Diagnostic System (JBAIDS)



**IOC  
June 2004**

**IOC  
June 2007**

Original Plan



**Commercial Model: Delivers JBAIDS 3 Years Ahead of Schedule**

# Evolving DoD Acquisition Practices

- **New DoD 5000 Series**
  - Reinforces Flexibilities Already There
  - Training/ Cultural Challenge
  - No “Cookbook”
  - “Guidance” Remains
  - Permits Tailoring Acquisition Strategies





# Sneak Preview of Upcoming PEO Industry Opportunities (Partial List)

- 
- Joint Biological Agent Identification and Diagnostic System (JBAIDS) BLK II RFI/ RFP IQ04
  - Joint Biological Point Detection System (JBPDs) Prod Draft RFP April 03
  - Joint Biological Tactical Detection System (JBTDS) TRE Sept 03
  - Joint Service Sensitive Equipment Decon (JSSED) RFP BKII R&D IQ04
  - Joint Service Lightweight Integrated Technology (JSLIST) JB2GU RFI/ RFP FY03
  - Chem/ Bio Protective Shelter Contract Award FY06



***The BEST Technology and Equipment***

***At the RIGHT PLACE***

***At the RIGHT TIME***

***At the RIGHT COST***

**BG Reeves**



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